

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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SECURITY INFORMATION

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|----------------|--|--------------|----------------|
| COUNTRY | USSR (Leningrad Oblast) | REPORT | |
| SUBJECT | Development of Trajectory Computers for the Wasserfall, Schmetterling, and Rheintochter Missiles at NII-49 | DATE DISTR. | 14 August 1953 |
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| PLACE ACQUIRED | | REQUIREMENT | |
| | | REFERENCES | |

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USAF review completed.

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

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The Wasserfall trajectory computer development at Institute 49, Leningrad, commenced about August 1947 and continued through about October 1951. The Schmetterling trajectory computer development commenced about December 1946 and continued through about August 1947. The Rheintochter trajectory computer design commenced about December 1946 and continued through about August 1947.

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computers were completed for each of the missiles

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One of each.

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| STATE | X# | ARMY | X# | NAVY | X# | AIR | X# | FBI | | AEC | | | | |
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25 YEAR RE-REVIEW (See Indicated By "X", Field Distribution By "#")

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3. [redacted] the Wasserfall computer was sent to a place (location not known to me) for firing tests in the autumn of 1948.

4. [redacted]

There seemed to be continual overlapping activity during the times stated above [redacted] on design, re-engineering, and construction of prototype models of the computers for Wasserfall, Schmetterling, and Rheintochter. However, the work on the reconstruction of the Wasserfall computer (which included the polar parallax computer), which was started at Gema in 1945, was completed in NII 49 and turned over to the Soviets in the fall of 1948. At this time, it was alleged to have been sent to firing tests in the USSR [redacted]

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5. [redacted] people [redacted] employed on this project [redacted]

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Twenty-one Germans.

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6. [redacted]

[redacted] referred to the firing tests in 1948, and to having seen, late in 1952, a rack similar to that which holds the computer components of the Schmetterling missile. [redacted] this rack loaded in a Soviet truck in the yard of the Institute. [redacted] not sure that it was a Schmetterling computer rack, but it resembled the one designed in 1947 by the Germans at NII [redacted] Late in 1947 [redacted] saw what was obviously a re-engineered Rheintochter parallax computer. [redacted]

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